01-26-01 # \$ 04-CO

PATENT File No. 12672-E



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of RS Wegeng et al.)
Serial No. 09/588,999 Filed: 06/06/2000) Art Unit:)) Examiner:)
For: MICROSYSTEM PROCESS NETWORKS)))) Our Ref. No: 12672-E
) Date: January 25, 2001

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Box Patent Application Assistant Commissioner of Patents Washington, DC 20231

Dear Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97, and 1.98, the documents listed on the attached Form(s) PTO-1499 are being brought to the attention of the Examiner in charge of the above-identified application.

The Examiner is respectfully requested to initial the space adjacent each document entry on the Form(s) PTO-1449, and to return a copy of the initialed Form(s) PTO-1449 to confirm that the documents have been considered and have been officially make of record in this application.

If the Examiner has any questions or wishes to discuss this application, the Examiner is invited to telephone the undersigned representative at the number set forth

below. Any fees required for consideration of this paper are hereby authorized to be charged to our Deposit Account No. 021275.

Respectfully submitted,

Stephen R. May Reg. No. 29,255

Stephen R. May (K1-53) Intellectual Property Services **Battelle Memorial Institute Pacific Northwest Laboratories** P.O. Box 999 Richland, WA 99352 (509) 375-2387

M:A:FILENO.IDS

THE UNDERSIGNED HEREBY CERTIFIES THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:
ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THE DATE SET FORTH



JAN 3 0 2001 SE

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 12672-E

SERIAL NO. 09/588,999

LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)

APPLICANT RS Wegeng et al.

FILING DATE 06/06/2000 GROUP:

2125

Examiner Initial		Document Number	Date	Name	Class	Subclass	Fit If Ag	ling Date ppropriate
1.12	A	3,608,610	09/28/1971	JH Greatorex et al.	159	13		
	В	3,912,003	10/14/1975	Schrade	165	165		***************************************
	С	4,373,579	02/15/1983	Jernqvist et al.	165	167	+	
	D	4,386,505	06/07/1983	Little	62	514	 	
	E	4,392,362	07/12/1983	Little	62	514	 	
	F	4,401,155	08/30/1983	Royal et al.	165	166	+	
	G	4,516,632	05/14/1985	Swift et al.	165	167	 	
	Н	4,665,975	05/19/1987	Johnston	62	497		
	ı	4,763,488	08/16/1988	Johnston	62	497 .	1	
	1	4,795,618	01/03/1989	Laumen	422	202		
	K	5,209,906	05/11/1993	Watkins et al.	422	200	_	
	L	5,270,127	12/14/1993					
				Koga et al.	429	17		
	М	5,419,156	05/30/1995	Sywulka	62	476		
1	, N	5,426,442	06/20/1995	Haas	343	778		
	O	5,534,328	07/09/1996	Ashmead et al.	428	166		
	P	5,811,062	09/22/1998	Wegeng et al.	422	129		
		vrs -]			<u> </u>	Т	
		Document Number	Date	Country	Class	Subclass	Translation	
3	Q	Document	Date 10/23/1997	Country	Class 8	Subclass 24	Translation Yes X	No
THER REFERENCE	<u> </u>	Document Number WO 97/39490 Managa Author, Title, Date, Pertinent Pages, E	10/23/1997 Etc.)				Yes	No
	CES (includi	Document Number WO 97/39490 Managa Author, Title, Date, Pertinent Pages, E	10/23/1997 Etc.) Fundemental And Commerci	PCT al Advantages, E.G. For Methanol Reforming *, pg. 1 – 6. 2000			Yes	No
THER REFERENCE	CES (includio	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric to	10/23/1997 itc.) Fundemental And Commerci Jtilities", pg. 88 – 93, 1980.	PCT al Advantages, E.G. For Methanol Reforming *, pg. 1 – 6. 2000			Yes	No
THER REFERENCE	CES (includio	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric to	10/23/1997 Lic.) Fundemental And Commerci Dillities", pg. 88 – 93, 1980. schnology in Fuel Processing	PCT al Advantages, E.G. For Methanol Reforming", pg. 1 – 6, 2000 for Fuel Cell", pg. 447 – 453, 2000.			Yes	No
THER REFERENCE	CES (includio	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric U	tic.) Fundemental And Commerci Chilities", pg. 88 – 93. 1980. Sechnology in Fuel Processing	al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 For Fuel Cell", pg. 447 – 453, 2000.			Yes	No
THER REFERENCE	R S T	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric 6 1 Hermann et al., "Microreaction To	10/23/1997 Fundemental And Commerci fillities", pg. 88 – 93, 1980. schnology in Fuel Processing www.hcatric.com, pg 1 – 3, 2 el Chemical Reactors for Fue	PCT al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 for Fuel Cell", pg. 447 – 453. 2000. 1 Processing", pg. 186 – 195. 1998.			Yes	No
THER REFERENCE	R S T U	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric It I Hermann et al., "Microreaction Te "Printed Circuit Reactor (PCR)", y AY Tonkovich et al., "Microchannel F	10/23/1997 Etc.) Fundemental And Commerci Jillities", pg. 88 – 93, 1980. schnology in Fuel Processing www.heatric.com, pg 1 – 3, 2 schoology and Chemical Reactors for Fuel fuel Processing Components	PCT al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 for Fuel Cell", pg. 447 – 453. 2000. 1 Processing", pg. 186 – 195. 1998.	8		Yes	No
THER REFERENCE	R S T U W	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric to 1 Hermann et al., "Microreaction Tell" "Printed Circuit Reactor (PCR)", y AY Tonkovich et al., "Microchannel P	10/23/1997 Etc.) Fundemental And Commerci Julities", pg. 88 – 93. 1980. schnology in Fuel Processing www.heatric.com. pg 1 – 3. 2 El Chemical Reactors for Fuel uel Processing Components' el Chemical Reactors for Fuel	al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 for Fuel Cell", pg. 447 – 453. 2000. Differencessing", pg. 186 – 195. 1998. ", pg. 1 – 18. 1999.	. 2000.	24	Yes	No
THER REFERENCE	R S T U V W X	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric to 1 Hermann et al., "Microceation To "Printed Circuit Reactor (PCR)", y AY Tonkovich et al., "Microchannel F AY Tonkovich et al., "Microchannel AM Adris et al., "On The Reported	tic.) Fundemental And Commerci Dillities", pg. 88 – 93. 1980. Schnology in Fuel Processing State Institute of the Processing Components and Chemical Reactors for Fuel Attempts to Radically Improvi	al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 for Fuel Cell", pg. 447 – 453, 2000. 1Processing", pg. 186 – 195, 1998. ", pg. 1 – 18, 1999. 1Processing Applications. Il Compact Fuel Vaporization", pg. 1 – 9	. 2000.	24	Yes	No
THER REFERENCE	R S T U V W X	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric to 1 Hermann et al., "Microreaction Te "Printed Circuit Reactor (PCR)", y AY Tonkovich et al., "Microchannel F AY Tonkovich et al., "Microchannel AY Tonkovich et al	Fundemental And Commerci Fundemental And Commerci fillities", pg. 88 – 93, 1980. schnology in Fuel Processing www.hcatric.com. pg 1 – 3, 2 el Chemical Reactors for Fuel uel Processing Components' el Chemical Reactors for Fuel Attempts to Radically Improvigimes and Applications Feasi	al Advantages, E.G. For Methanol Reforming", pg. 1 – 6, 2000 for Fuel Cell", pg. 447 – 453, 2000. 1 Processing", pg. 186 – 195, 1998. ", pg. 1 – 18, 1999. I Processing Applications. Il Compact Fuel Vaporization", pg. 1 – 9 we The Performance of The Steam Methane Reforming Reactor", pg.	. 2000.	24	Yes	No
THER REFERENCE	R S T U W X Y	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric to 1 Hermann et al., "Microreaction Te "Printed Circuit Reactor (PCR)", y AY Tonkovich et al., "Microchannel F AY Tonkovich et al., "Microchannel AY Tonkovich et al	Fundemental And Commerci Julitites", pg. 88 – 93. 1980. schnology in Fuel Processing www.heatric.com, pg 1 – 3. 2 El Chemical Reactors for Fuel uel Processing Components' el Chemical Reactors for Fuel Attempts to Radically Improv gimes and Applications Feass Thermal, Chemical, and Meta	PCT al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 for Fuel Cell", pg. 447 – 453, 2000. 000. I Processing", pg. 186 – 195, 1998. ", pg. 1 – 18, 1999. I Processing Applications. Il Compact Fuel Vaporization", pg. 1 – 9 we The Performance of The Steam Methane Reforming Reactor", pg. 1ble with Microreactors", pg. 33 – 38, 1997. ithle with Microreactors ", pg. 33 – 38, 1997.	. 2000.	24	Yes	No
THER REFERENCE	R S T U V W X Y AA	Document Number WO 97/39490 R Buxbaum, "Membrane Reactors, EA Gillis, "Fuel Cells for Electric t I Hermann et al., "Microchannel RS Wegeng et al., "Microchannel F AY Tonkovich et al., "Microchannel F AY Tonkovich et al., "Microchannel AM Adris et al., "On The Reported AJ Franz et al., "New Operating Re, Szargut et al., "Exergy Analysis of 1	Fundemental And Commerci Dillities", pg. 88 – 93, 1980, echnology in Fuel Processing www.heatric.com, pg 1 – 3, 2 el Chemical Reactors for Fue uel Processing Components' el Chemical Reactors for Fue Attempts to Radically Improv gimes and Applications Feasi Thermal, Chemical, and Metallysts and Reactors", pg. 438-	PCT al Advantages, E.G. For Methanol Reforming", pg. 1 – 6. 2000 for Fuel Cell", pg. 447 – 453, 2000. 1000. I Processing", pg. 186 – 195, 1998. ", pg. 1 – 18, 1999. I Processing Applications. Il Compact Fuel Vaporization", pg. 1 – 9 we The Performance of The Steam Methane Reforming Reactor", pg. 15ble with Microreactors", pg. 33 – 38, 1997. Illurgical Processes", pg. 140 – 142, 164 – 166, 250 – 256, 1988. – 500, 1998.	. 2000.	24	Yes	No

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.